

Summary of DAT Conference Call 12/26/2007

Participants: EChappell(DWR), JSpeegle(FWS),
JWhite(DFG), AChu(DWR), JSnow(WWD),
BOppenheim(NOAA), JAdib-Samii(DFG),
KTotzke(KCWA), JDuBois(DFG),
GMeamber(SCVWA), PFujitani(BR),
DSereno(CCWD), BPoytress(FWS), THinojosa(DWR)

Conclusions and Recommendation

Based on the Interim Remedial Order for delta smelt the first potential action, 1.B.3.a(1), starts after December 25th. Action 1.B.3.a(1) is associated with the first winter pulse flow and commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. If the action is triggered, the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 2000cfs over the 10 day implementation period. The turbidity exceeded 12ntu at Holland Tract on December 25th after the pulse flow from the storm had subsided. Turbidity remained well below 12ntu at the other two stations so the Project Agencies will send someone out to check the gauge at Holland Tract. WOMET will meet today, 12/26, to discuss potential operational changes associated with this action. Several members of the DAT group requested a summary of any decisions made by the WOMET.

Also, as part of the Judge's order (1.B.2), the counting period was increased at Jones Pumping Plant (CVP) from 10 minutes to 30 minutes on December 19th.

Next DAT Conference Call Wednesday, 1/2/2008, 9:00 am - 11:00 am. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam – Passage of all Chinook runs increased with last week's rain event. Winter-run passage averaged 4000 per day. So far passage this season is 1.46 million.

Late fall Chinook passage averaged 595 per day and

spring-run passage averaged 23,840 per day. Fall Chinook passage increased substantially averaging 87,000 per day. Steelhead passage remains low averaging 8 per day. Flows at Bend Bridge peaked on December 21st and have dropped back down to approximately 5,600cfs.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php.

Mill Creek – Due to heavy debris DFG pulled the trap for a couple days. For the days they sampled they caught 58 yearling spring-run and 2 steelhead.

Deer Creek – DFG pulled the trap for a couple days due to heavy debris. For the days they sampled they caught 5 yearling spring-run and 7 steelhead.

Butte Creek – In the last week DFG only caught one yearling Chinook.

GCID – The catch of older juvenile Chinook increased slightly ranging from 0 to 39 per day. The catch of fry Chinook also increased ranged from 7 to 87 per day. DFG also caught 8 adclipped Chinook and 2 steelhead.

Knights Landing – Catch of Chinook remains low. DFG caught 5 older juvenile, 3 fry/smolt, and one adclipped Chinook last week. The daily average flow increased to approximately 10,000cfs with the rain event but has dropped back down to 7,100cfs.

Delta Monitoring

In the last week, FWS caught older juvenile Chinook in the Sacramento River beach seining and at Chipps Island. They also caught seven delta smelt at Chipps Island.

Sacramento Kodiak Trawl - 3 sample days, 30 samples. FWS caught 1 splittail but no species of interest.

Lower Sacramento River seine – 1 sample day, 3 samples. FWS caught 3 older juvenile Chinook but no other species of interest.

Sacramento Area seine – 3 sample days, 19 samples. FWS caught 1 older juvenile, 1 fry/smolt, and 1 adclipped Chinook.

North Delta seine - 1 sample day, 7 samples. No species of interest.

Central Delta seine - 1 sample day, 8 samples. No species of interest.

South Delta seine - 1 sample day, 3 samples. No species of interest.

Mossdale Kodiak Trawl - 3 sample days, 22 samples. No species of interest.

San Joaquin River seine - 1 sample day, 9 samples. No species of interest.

Chippis Island Midwater Trawl - 7 sample days, 91 samples. FWS caught 6 older juvenile and 11 adclipped Chinook. They also caught 7 delta smelt and 5 splittail. FWS will continue sampling 7 days per week until January 5th. They will resume sampling 3 days per week until January 15th. From January 15th to February 15th they will again sample 7 days per week as part of the January Delta Action 8 experiment.

Bay seine - 1 sample day, 4 samples. No species of interest.

Delta Smelt Monitoring

FMWT – The December delta smelt index and the complete FMWT survey index will be available in early January 2008. The indices for the September, October, and November surveys are posted at <http://www.delta.dfg.ca.gov/data/mwt/>.

Spring Kodiak Trawl – DFG will start the first Spring Kodiak trawl survey on January 7th.

Judge Wanger's Order – The first potential action, 1.B.3.a(1), starts after December 25th. Action 1.B.3.a(1) is associated with the first winter pulse flow

and commences within 3 days of the turbidity exceeding 12ntu at one of three locations, Prisoner's Point, Holland Tract, or Victoria Canal unless Sacramento River flows at Freeport exceed 80,000cfs. If the action is triggered, the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 2000cfs over the 10 day implementation period. The turbidity exceeded 12ntu at Holland Tract on December 25th after the pulse flow from the storm had subsided. Turbidity remained well below 12ntu at the other two stations so the Project Agencies will send someone out to check the gauge at Holland Tract.

Action 1.B.3.b(1) is immediately triggered following the action 1.B.3.a(1) or after January 15th, whichever comes first, and continues until there is evidence of spawning. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs using a 7-day average.

Also, as part of the Judge's order (1.B.2), the counting period was increased at Jones Pumping Plant (CVP) from 10 minutes to 30 minutes on December 19th.

The daily turbidity data for the three stations listed in the order are available on CDEC (<http://cdec.water.ca.gov/>). The stations are Prisoner's Point (PPT), Victoria Canal (VCU), and Holland Tract (HOL).

Salvage Facilities –

Chinook – CVP salvaged 28 adclipped Chinook last week for a loss of 21. They also salvage 12 late-fall Chinook for a loss of 9. The loss of adclipped Chinook is 37 for the season. No Chinook have been salvaged at SWP yet this season.

Steelhead – None.

Delta smelt – None.

Splittail – None.

Longfin smelt – CVP salvaged 12 longfin in the last

week for a season total of 12.

Sturgeon – None.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

Operations

SWP -

CCFB – 2,500cfs

Oroville – 1,550cfs

X2 - > 81 km

E/I - 3-day ~30%

San Luis - ~658taf. SWP share of San Luis capacity is 1,062 taf.

EWA - The projected debt for the end of the year is approximately 40 to 50taf for SWP and approximately 5 to 10taf for CVP.

CVP -

Tracy PP – 2,500cfs

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 4,500cfs

Nimbus – 1,135cfs

Goodwin – 280cfs

San Luis - 636taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 13,257cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 1,424cfs

Delta Outflow ~ 7,959cfs. The 7-day average is 12,000cfs.

Old & Middle River flow (daily average) ~ -3967cfs.

Turbidity – (daily average – 12/25)

Prisoner's Point ~ 5.5ntu

Holland Tract ~ 19.2ntu

Victoria Canal ~ 4.2ntu

Temperature – (daily average – 12/25)

Antioch ~ 9C

Rio Vista ~ 8.9C

Mossdale ~ 8.4C

3-Station Average ~ 8.8C

Delta Water Quality

The Delta is in balanced conditions. Salinity levels spiked at some interior stations so the Project Agencies reduced exports. The salinity levels stabilized and are slowly improving, remaining below concern levels.

January Water Quality Standards –

Delta Outflow – monthly average $\geq 4,500$ cfs, 7-day average $\geq 3,500$ cfs.

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1st and January 31st.

E/I Ratio – 65%

Contra Costa Canal – CI ≤ 250 mg/L. In addition, CI ≤ 150 mg/L for 165 days per year. This portion of the standard was met in 2007 and will start again January 1, 2008.

South Delta – 30-day average EC ≤ 1.0 .

Suisun Marsh - ≤ 12.5 mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.wco.water.ca.gov/calfedops/datsummaries.html>.

Erin Chappell

Environmental Scientist

DWR-DES

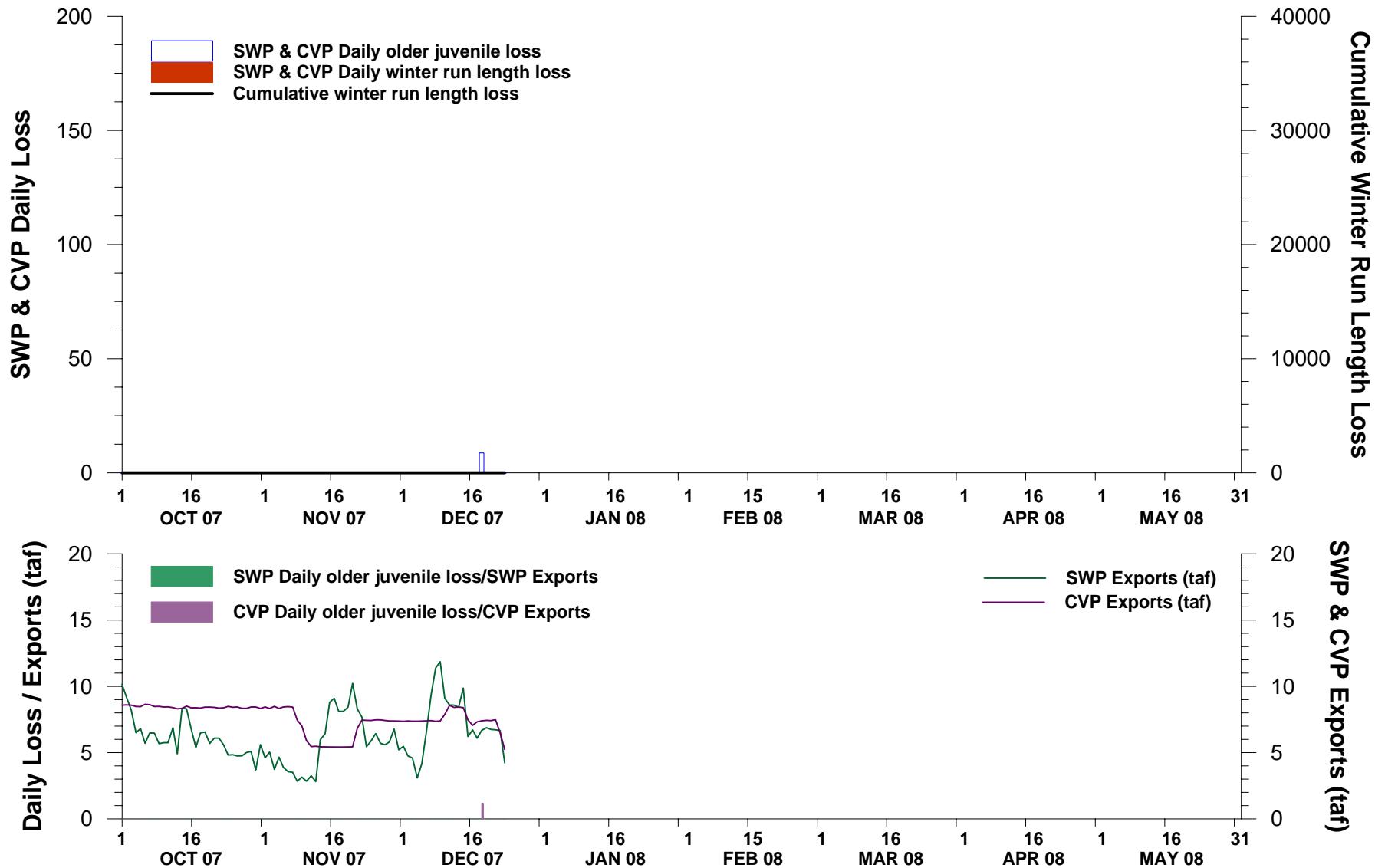
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Sacramento, CA 95814-6424

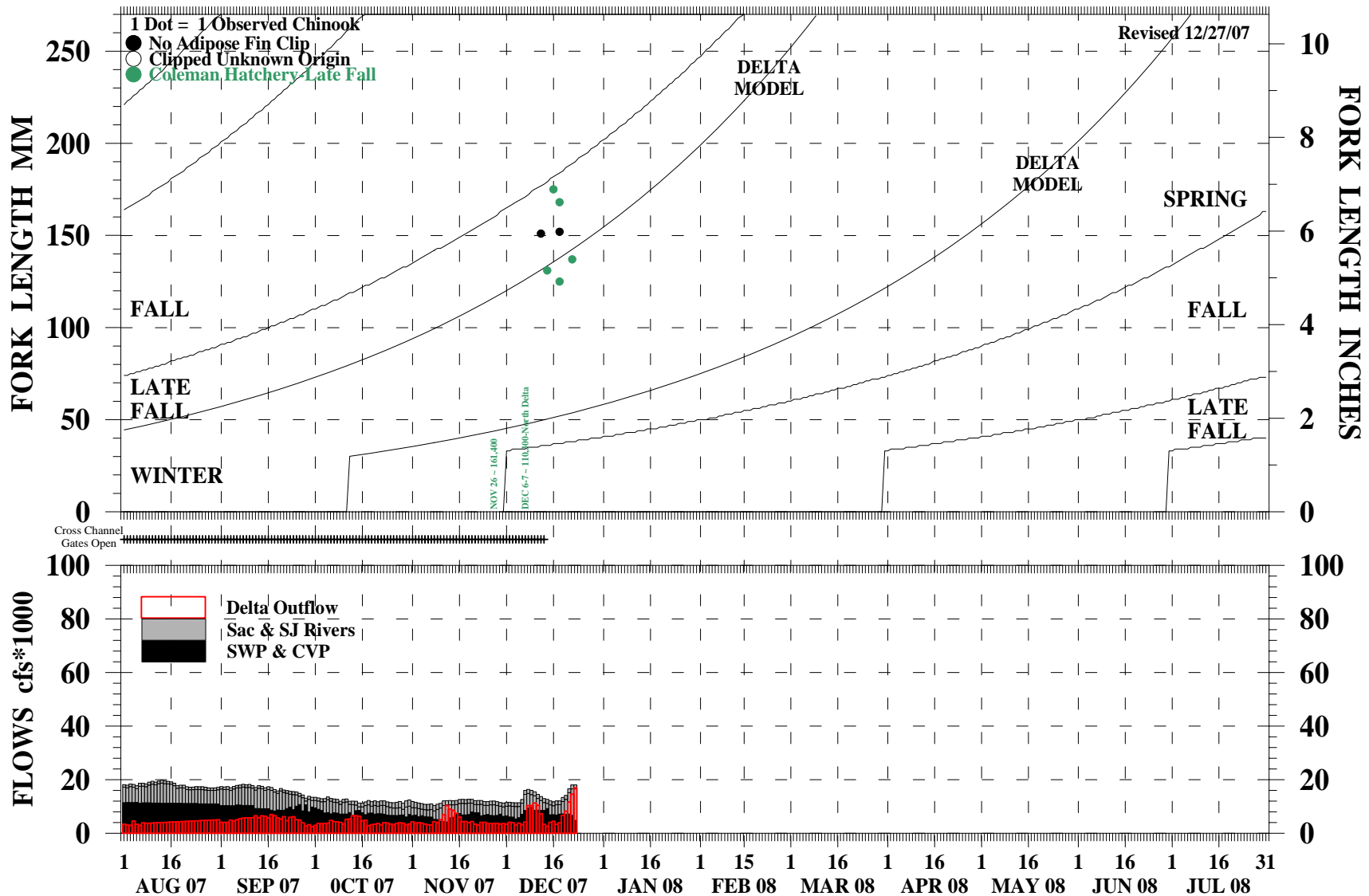
Phone (916) 651-0169

Fax (916) 651-9563

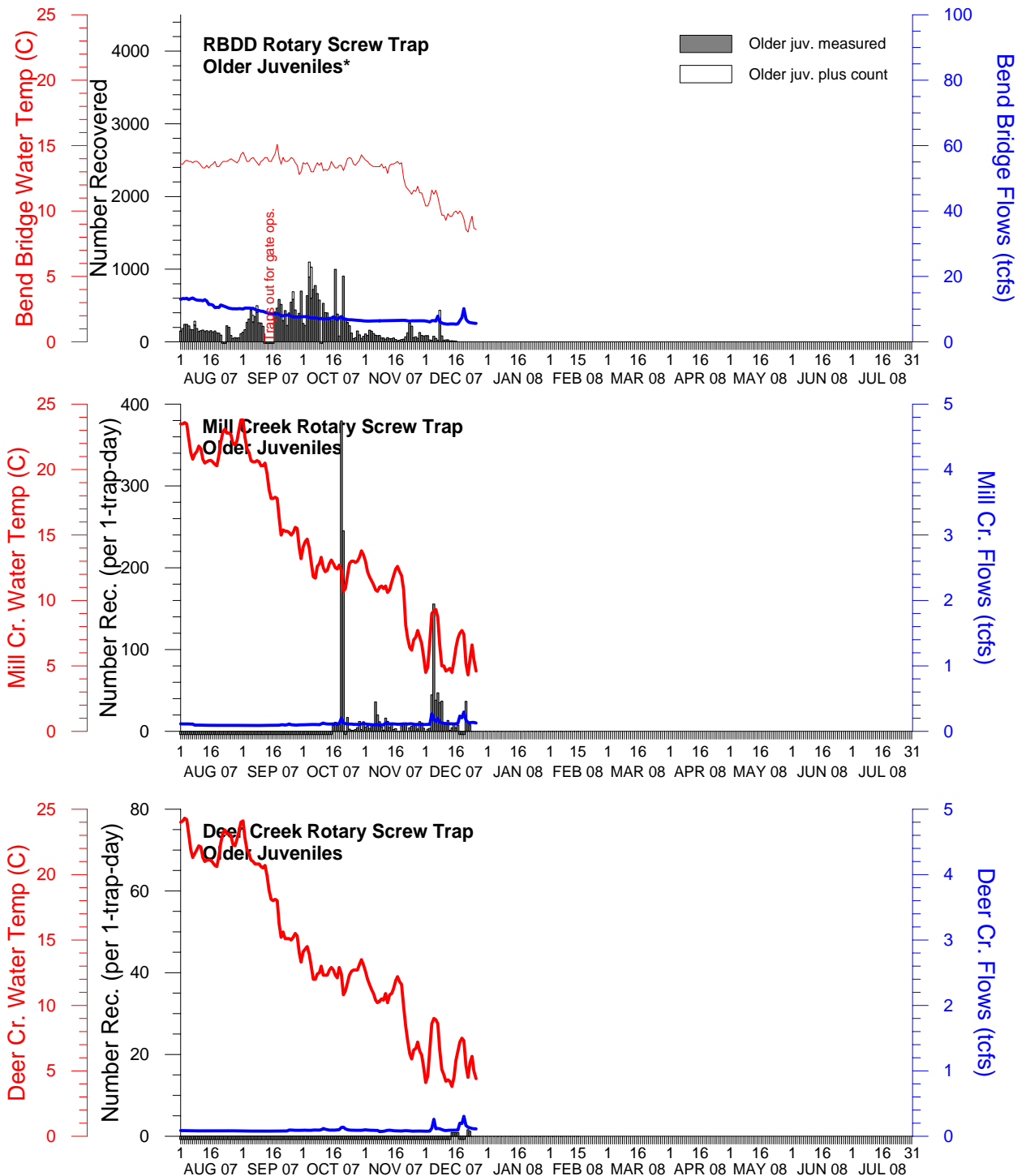
WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2007 THROUGH 23 DEC 2007



OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 12/23/07



NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

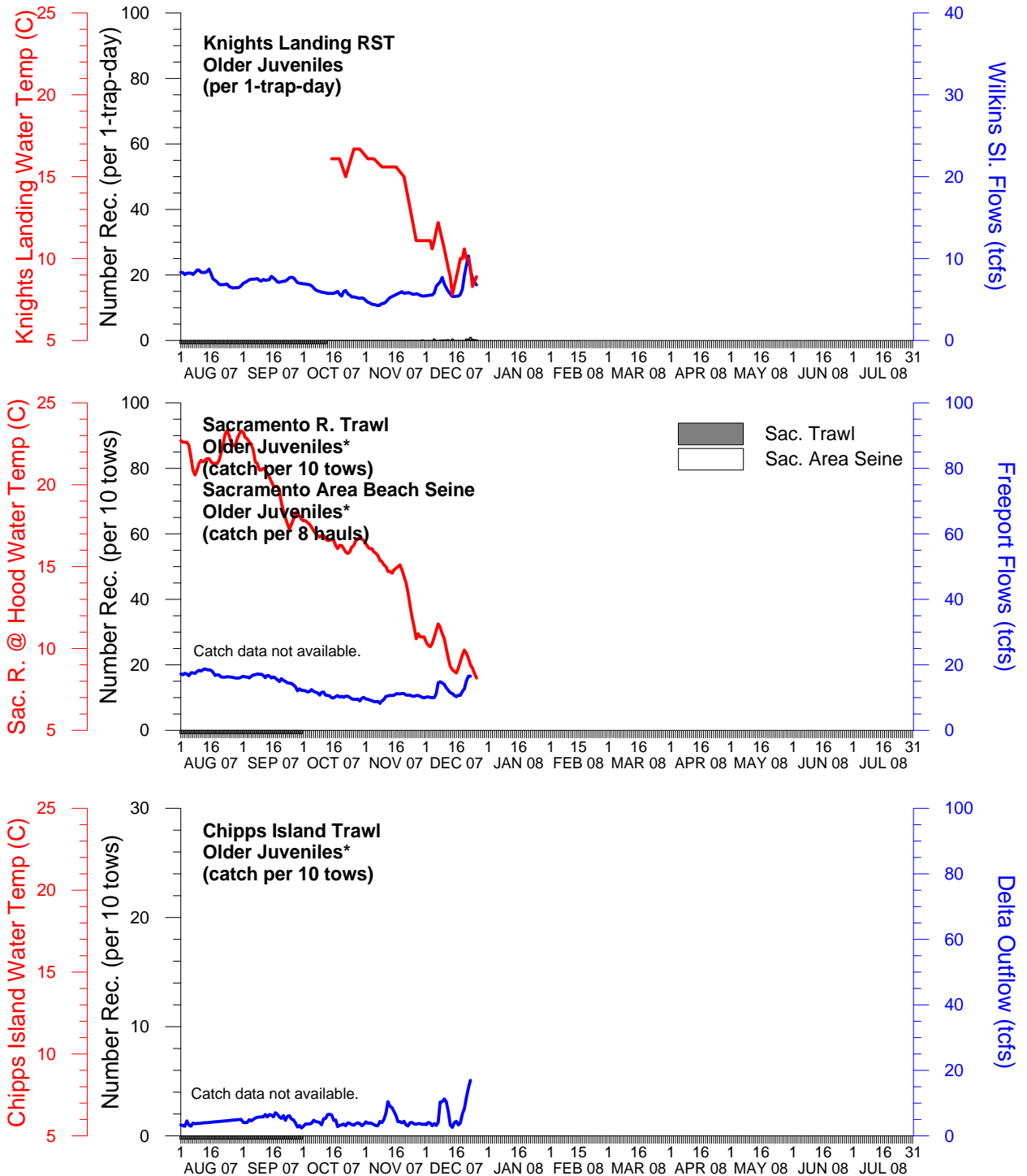


DWR-DES 27 DEC 2007

Preliminary, subject to revision

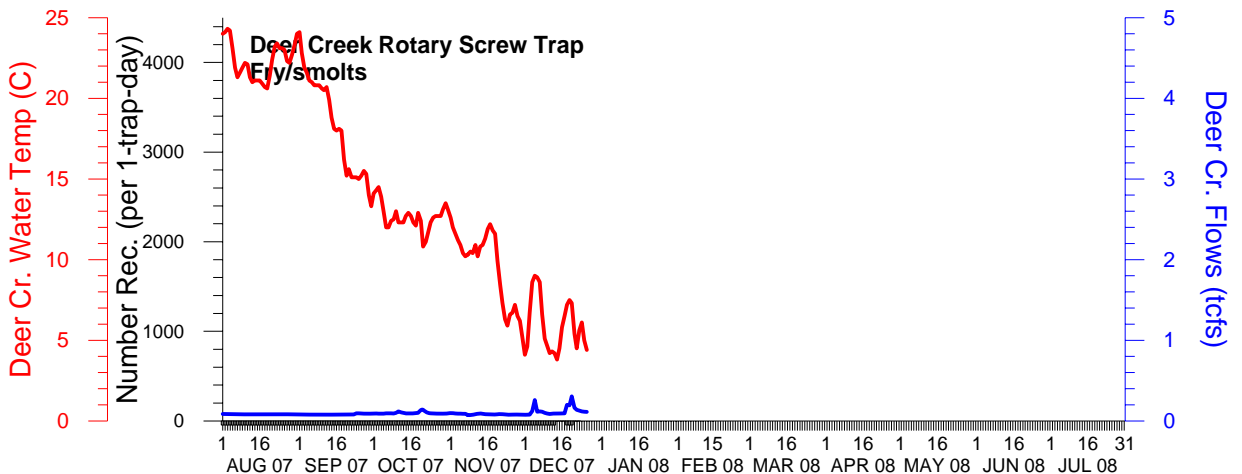
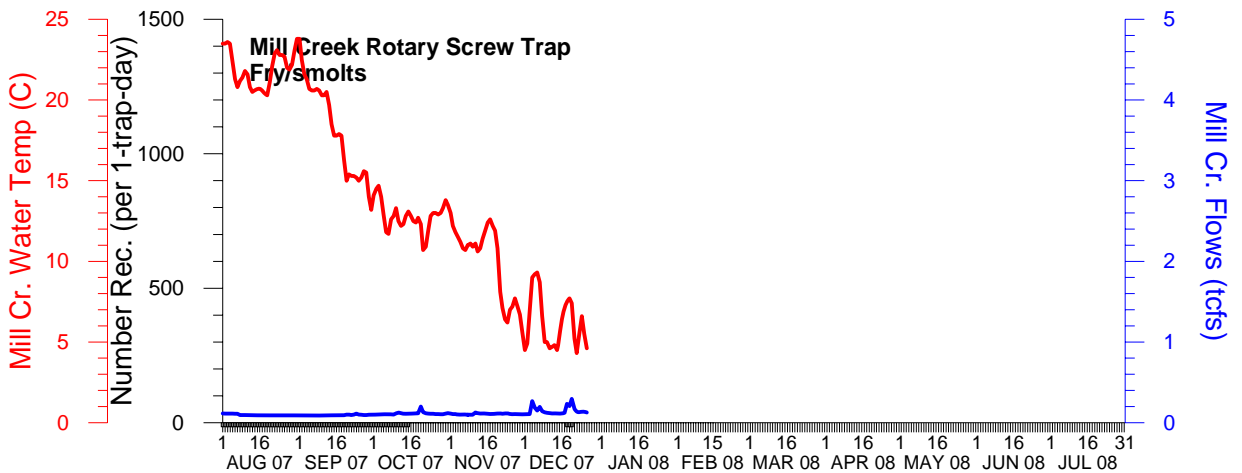
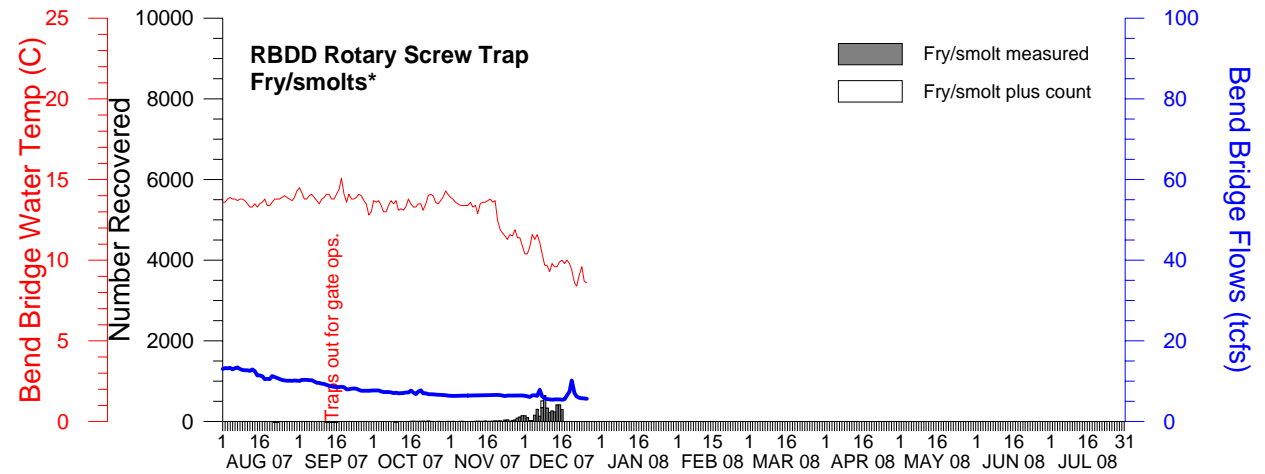
*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

NUMBER OF JUVENILE CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 27 DEC 2007
Preliminary, subject to revision
*Plus counts not included

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

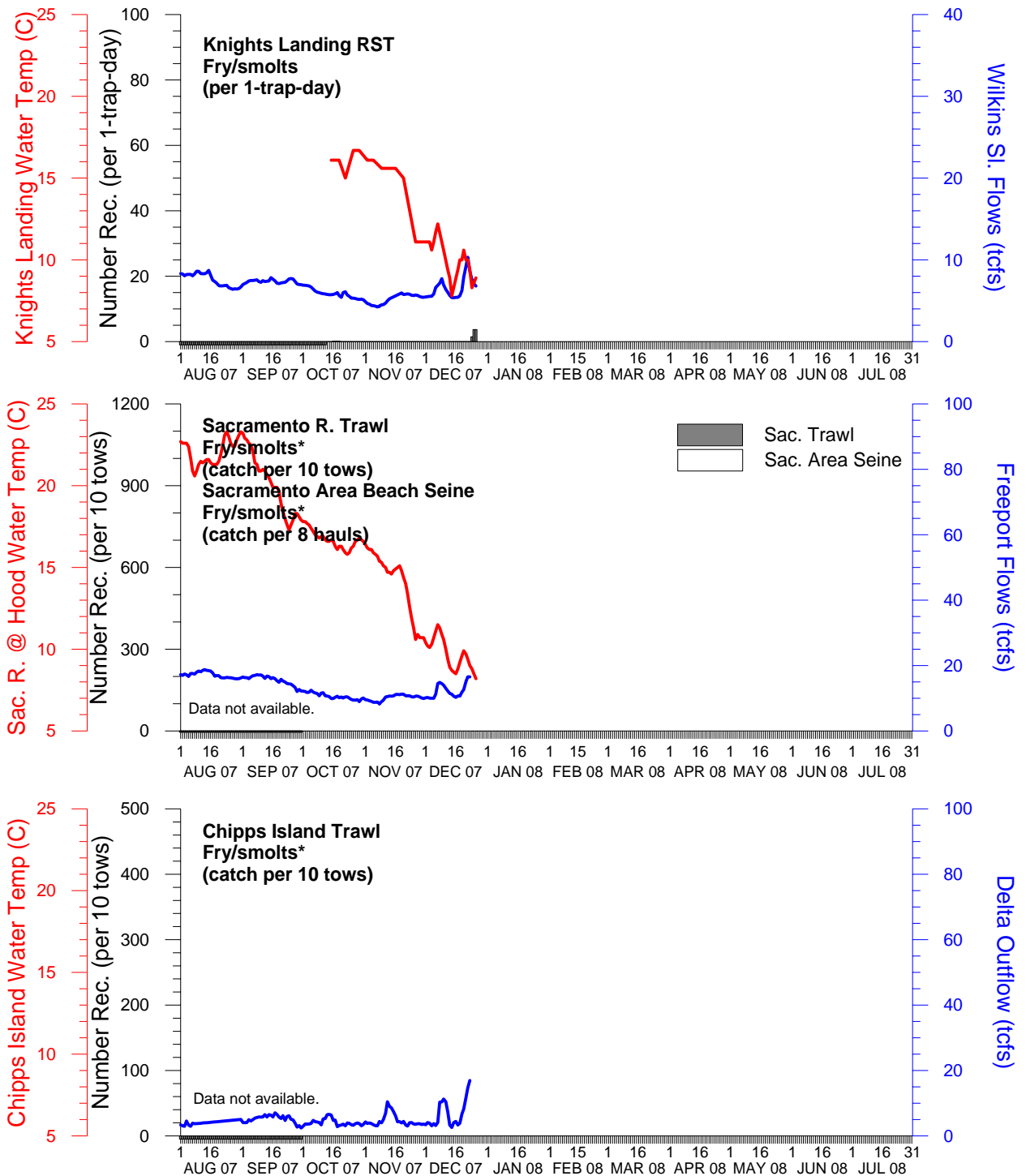


DWR-DES 27 DEC 2007

Preliminary, subject to revision

*Fry/smolts defined as all Chinook below the minimum winter run length line (Frank Fisher model)

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 27 DEC 2007
Preliminary, subject to revision
*Plus counts not included

Data Acquisition:

All the data is preliminary and subject to revision.

The catch data for RBDD, Sacramento River Trawl, Sacramento Area Beach Seine, and Chipps Island were obtained from the BDAT website: <http://baydelta.ca.gov> .

The catch data for Mill and Deer creeks were obtained directly from DFG, Red Bluff Juvenile Salmon Monitoring Project.

The catch data for Knights Landing were obtained directly from DFG, Native Anadromous Fish & Watershed Branch.

The hydrology data were obtained from either the CDEC or BDAT websites: <http://cdec.water.ca.gov> or <http://baydelta.ca.gov>.

Project Offices:

Mill Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

Deer Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

RBDD - USFWS, Red Bluff Fish & Wildlife Office

Knights Landing - DFG, Native Anadromous Fish & Watershed Branch

Sacramento Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring

Sacramento Area Beach Seine - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Chipps Island Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Salmon Salvage and Loss

From 01-Oct-07 to 22-Dec-07

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LateFall run at CVP facility		Adipose Clipped		Not Clipped	
	SampleDate	Salvage	Loss	Salvage	Loss

	12/12/2007	0	0	0	0
	12/16/2007	12	9	0	0
	12/18/2007	12	9	12	9
Sum of LateFall run at CVP		24	17	12	9

Winter run at CVP facility		Adipose Clipped		Not Clipped	
	SampleDate	Salvage	Loss	Salvage	Loss

	12/14/2007	12	8	0	0
	12/18/2007	12	9	0	0
	12/22/2007	4	3	0	0
Sum of Winter run at CVP		28	19	0	0

Sum of all races at CVP		52	37	12	9
Total for 10/1/2007 to 12/22/2007		52	37	12	9

Special Species Salvage

From 23-Nov-07 to 18-Dec-07

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Longfin Smelt		SWP		CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet

	12/18/2007	0		12	7392
Total for Longfin Smelt		0		12	7392
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Splittail		SWP		CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet

	11/23/2007	9	5437	0	
	11/25/2007	6	6424	0	
	11/26/2007	3	5699	0	
	11/28/2007	3	5791	0	
Total for Splittail		21	23351	0	